MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

### WILLIS CHIPMAN

Hon. Grad. McGill University.
M. Can. Soc. C.E. M. Am. Soc. C.E.
Mem. Am. W.W. Ass'n.

WATERWORKS, SEWERAGE WORKS, GAS WORKS, RLECTRIC LIGHT AND POWER PLANTS Reports, Surveys, Construction, Valuations

103 BAY STREET - TORONTO

## R. E. SPEAKMAN, C.E.

A. M. Inst. C. E., 1878.

# COMBULTING ENGINEER

W. ierworks, Sewerage and Sewage Disposal. Municipal Improvements. Granolithic Fevenents. Electric Light Servenents. Electric Light Prigation of Land. Coal Handling Plant and Machinery. Plans, Specifications and Estimates. Construction and Valuations.

Canada Life Bulling - TORONTO

### Roderick J. Parke CONSULTING ENGINEER

Hydraulic Power Development. Long Distant Power Transmission. Steam Plants, Electric Lighting and Power Systems. Tests. Valuations. Reports.

51-53 Janes Building, Cor. TORONTO, CANADA King and Yonge Streets TORONTO, CANADA

Telephones { Office—Long Distance Main 3047 Residence-Long Distance North 2204 Telegraphic address: "Rodparke." W. U. Code, Univ. Edition.

# NILLIAM H. BREITHAUPT, G.E.

CONSULTING STRUCTURAL ENGINEER

Foundations, Bridges, Buildings. BERLIN, ONT.

#### TESTING CEMENT

Dr. J. T. Donald

Official Analyst to the Dominion Government,

Established 1880. Physical and Chemical Tests on all kinds of CEMENTS and RAW MATERIALS. Prompt returns and lowest rates consistent with accurate work.

112 St. Francois Xavier Street, Montreal, Canada

d-

R

0

## ROSS & HOLGATE

### Consulting and Supervising Engineers

Waterworks, Electric Light and Power Plants, Structural Work, Reports, Estimates, Arbitrations.

80 ST. FRANÇOIS XAVIER ST. - MONTREAL

# RAILS For Contractors, Switches, Girders, &c., New and Second Hand. COMOTIVES & CARS

John J. Gartshore Opposite Queen's Hotel.) TORONTO.

#### FIREMEN'S LADDERS -AND-

LADDER TRUCKS

We make the lightest, quickest, strongest and cheapest. Every Town and Village needs them and can afford them. They will save 50 times their price in insurance premiums. Write for circulars and quotations.

THE WAGGONER LADDER CO., Limited

### John H. Jackson

CIVIL ENCINEER

WATER POWER, ELECTRIC RAIL-WAYS, STRUCTURAL STEEL.

Niagara Falls, Canada

Associated with Charles H. Mitchell, C. E., Hydraulic Engineer.

### CHARLES BRANDEIS

Consulting Blectrical and Mechanical Engineer.

Electric Lighting, Power and Railway Plants.
Liverpool, London and Globe Building,
MONTREAL.

Long Distance Telephone Main 3256

### Mixer Made Greatest Concrete



or more styles of machines that we make for different kinds of concrete work. 10 patents allowed, others pending

Mortar and Asphalt Mixers

## DRAKE STANDARDIMACHINE WORKS

7-9-11-13 Garden Street, Chicago

d Salesroom, 298-300-302 W. Jackson Boul. CHICAGO, ILL., U. S. A.

18 Different Sizes and Styles.

Mixes in Batches. Discharges by Tilting while Running. Mounted on Skids or Trucks. Catalogue on Application.

SOLE CANADIAN AGENTS -

Mussen & Co., 763 Graig St., MONTREAL

# GANADIAN HAND-BOOK

Estimator

Third Edition

Price \$1.50; to subscribers of the Canadian Architect and Builder, \$1.00.

SEND FOR A COPY

C. H. Mortimer Publishing Co. Toronto.

Please mention THE CONTRACT RECORD when corresponding with advertisers.

# McKELVEY CONCRETE MIXERS

MANUFACTURED W. A. MCKELVEY, McKinnon Building, TORONTO.



These machines are made to mix either continuously or in batches, and can be operated either by Hand, Steam or Gasoline Power.